## United States Environmental Protection Agency Underground Injection Control Program 1445 Ross Avenue Dallas, TX 75202-2733



## Annual Disposal/Injection Well Monitoring Report

perator: JONES AND BUCK DEV CO P O BOX 68 SEDAN KS 67361			Owner	Owner: JONES AND BUCK DEV CO P O BOX 68 SEDAN KS 67361			
te: OK Cou	inty: OSAGE Section: 05	Township: 24N	Range: 05	Inventory Number: OS6196000  Range: 05E Surface Location: 1005S/1650W			
Well Activity Disposal No. of Wells:		Type of Permit Individual Area	Lease Name Stith #1-8	3	A.	Well Number 1-S	
	Injec Pres		Total Vo Inject			Casing Annulus Optional Monitor)	
Month/Year	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG	
Jul 2016	Vac		75000			3-4-2-3-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-	
Aug 2016	Vac		74400				
Sep 2016	Vac		43555				
Oct 2016	Vac		45000				
Nov 2016	Vac		38550	·····			
Dec 2016	Vac		39835				
Jan 2017	Vac		54250				
Feb 2017	Vac		49000				
Mar 2017	Vac		54250	vertical and the second second			
Apr 2017	Vac		52500				
May 2017	Vac		54250			*	
Jun 2017	Vac		52500		3		
with a system des of the person or p submitted is, to th	igned to assure that ersons who manage e best of my knowled	CERTIF ocument and all attachr qualified personnel prop the system, or those pe ge and belief, true, acci ne possibility of fine and	erly gather and ever rsons directly respond arate and complete	d under my directi aluate the informat onsible for gatherin . I am aware that	ion submitted. B g the information there are signification	ased on my inquiry , the information ant penalties for	
Name and Off		sig	nature:		Date Sig August 10		



# Underground Injection Control Program 1445 Ross Avenue Dallas, TX 75202-2733



## Annual Disposal/Injection Well Monitoring Report

Operator: JONES AND BUCK DEV CO P O BOX 68 SEDAN KS 67361				Owner	P O BOX 68 SEDAN KS 6	BUCK DEV CO 7361	
State: OK County: OSAGE Inventory Number: OS6196  Qtr Section: SW Section: 05 Township: 24N Range: 05E Surface Location: 1005S/1						6196000 5S/1650W	
	Well Activity Disposal No. of Wells:	-	Type of Permit Individual Area	Stith		0	<del>/ell Number</del> -S
			ction ssure	Total Vo			sing Annulus otional Monitor)
	Month/Year	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG

	Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG	
Vac	9	69000		0		
Vac		69000	s.	0		
Vac	8	66000		0		
Vac		69000	20 15 245 255 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0		
Vac		66000		0		
Vac		69000		0		
Vac		69000	27	0	11	
Vac		65000	·	0		
Vac		69000		0		
Vac		66000	āi ox	0		
Vac	1) 8	69000		0		
Vac		66000	4	0		
	Press Avg PSIG Vac	Pressure  Avg PSIG Max PSIG  Vac  Vac  Vac  Vac  Vac  Vac  Vac  Va	Pressure         Inject           Avg PSIG         Max PSIG         BBL           Vac         69000           Vac         66000           Vac         69000           Vac         66000           Vac         69000           Vac         69000           Vac         65000           Vac         69000           Vac         69000           Vac         69000           Vac         69000           Vac         69000           Vac         69000           Vac         69000	Pressure         Injected           Avg PSIG         Max PSIG         BBL         MCF           Vac         69000         69000         66000         6	Pressure         Injected         Pressure (Op           Avg PSIG         Max PSIG         BBL         MCF         Min PSIG           Vac         69000         0           Vac         69000         0           Vac         69000         0           Vac         66000         0           Vac         69000         0           Vac         69000         0           Vac         65000         0           Vac         69000         0	

## CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title:

Signature:

Date Signed:

Tim Doty--Bookkeeper

5\_ lots

July 26, 2016

## nted States Environmental Protection Agency Underground Injection Control Program 1445 Ross Avenue Dallas, TX 75202-2733



## Annual Disposal/Injection Well Monitoring Report

Owner: JONES AND BUCK DEV CO

P O BOX 68 SEDAN KS 67361			O BOX 68 DAN KS 67361	E = 6
State: OK County: OSAG  Otr Section: SW Section:	500 S	Range: 05E	Inventory Number: Surface Location:	OS6196000 1005S/1650W
Well Activity Disposal No. of Wells:	Type of Permit Individual Area	Lease Name		Well Number 1-S

Operator: JONES AND BUCK DEV CO

	Inject Press		Total Volume Injected			Tubing-Casing Annulus Pressure (Optional Monitor)	
Month/Year	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG	
Jul 201 <b>§</b> 4	Vac		69000	5444-031-000 (C)	0	п	
Aug 201§ 4	Vac	č.	69000		Q	E1 (C)	
Sep 2015/4	Vac	. /	66000	,	0	,	
Oct 2015 4	Vac	£	69000	8	0		
Nov 201≨4	Vac	= 3	66000	140	0	90	
Dec 2016/4	Vac		69000		0	,	
Jan 2016 5	Vac		69000		0		
Feb 2016 5	Vac	8	64000	# V	0		
Mar 201€ 5	Уас	<u> </u>	69000	(A)	0.		
Apr 201€ 5	Vac		66000		0	2	
May 201 <b>€</b> 5	Vac		69000		0.		
Jun 2016 5	Vac	III	66000	F	0		

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Name and Official Title:

Tim Doty/Bookkeeper

Signature:

Date Signed:

July 28, 2015

# **Mechanical Integrity Test Results**

**SCAN CODE: 28** 

## **Casing or Annulus Pressure Test**

## Osage Nation / Environmental Protection Agency

P.O. Box 1495 Pawhuska, OK 74056

Inspector: J. Andrew Yates	Test Date: <u>09/05/2014</u> Test Time: <u>9:15 AM</u>			
Operator Representative: JOHN LONG	Date Report Sent to Operator:			
Gener	al Well Data			
Operator: Chaparral Energy - 158	Inventory Number: OS6196			
701 Cedar Lake Blvd.	API Well No.: 35-113-43555-00-00			
OKC, OK 73114	Well Name/No.: Stith			
	Location: SW 5 24N 5E 1005S - 1650W			
Phone: (405) 426-4397.	Field name:			
Injection Interval: 3705 - 4848 USDW Bot: 240	Well Type: SWD			
Annulus Fluid Type: Concentric Pkr:	Packer Depth: 3681 Casing: 7.000 in. Tubing: #### in.			
Tubing and Annul	us Pressure Test Results			
Type of MIT: Std. Annulus Pres. Test	Test Reason: 5-year Test			
	r Lining: Seal-tite Dual Time Since Ann Filled: Hrs			
Tubing Annulu	s Flowback Pressure Volume			
<u>Time</u> <u>Pressure</u> <u>Time</u> <u>Pressur</u>	E High: 200 psi			
Pre-Test: 00	_psi   Mid:100psi4000ml			
Initial: 9:15 AM 0 200	_psi   Low: psi 3500 ml			
Mid: 9:30 AM 0 200	_psi   End:0psi1500ml			
Final: 9:45 AM 0 200	_psi			
Casing/Tubing Annulus Monitoring	ADA Pressure Test - Required Test Pressure			
Device:	(Fluid Column Ht * Specific Gravity * .433 / N2 Wt Fac = Required Test Pressure)			
Fluid Level: Annulus Prs: psi	<u>Tubing</u> <u>Annulus</u>			
Test Result: Acceptable	Depth to Top Perf/Open Hole: ft ft			
Failure Type:	Depth to Fluid Level: ft ft			
Failure Cause:	Fluid Column Height: ft ft			
Repair Due:	Specific Gravity of Fluid: 1.06 1.06			
Engineer Signature: Rick L. Davis	Nitrogen Weight Factor:			
Review Date: 09/08/2014	Required Test Pressure: psi psi			

**Additional Comments for Mechanical Integrity Test** 

COMPNY R&R 4.5" CERAMIC TBG. W/ 4.5" SEALTITE TBG. & 7" PKR. @ 3681'

Scan Code: 30

# Osage Nation / Environmental Protection Agency

Inspector: J. Andrew Yates	Dt/Tm Inspected: <u>9/5/2014 9:15:00 AM</u> Duration: <u>0.8</u>
Operator Representative: JOHN LONG	Dt Scheduled: Dt Op Notified
General Well	Data and Inspection Information
Operator: Chaparral Energy	Inventory No.: <b>OS6196</b> API Well No. <u>35-113-43555-00-00</u>
	Well Name/No.: Stith 1-S Status:
OKC, OK 73114	Location: SW 5 24N 5E 1650W - 1005S Well Type: SWD
Phone: (405) 426-4397	Field Nm:Lat/Lng: 36.582054, 96.79425 G
ROUTIN	NE W/MIT INSPECTION
Purpose: Responsible C	Company at Time of Inspection: Chaparral Energy
nspect No.: iJAY1425138521 Notification T	уре:
· · · · · · · · · · · · · · · · · · ·	ent to Owner: Extension Date:
Comply No.: Date Remedy	Required: Date Passed:
-	
	Pressures / Conditions  Continue 7 000 in Table 2 4 500 in USDW, 240 ft substant
	Casing: <u>7.000</u> in. Tubing: <u>4.500</u> in. USDW: <u>240</u> ft subsurf
Monitoring Device Elected:	Tubing Annulus Fittings: Y Y AUTHORIZED
Monitoring Device:  FLM Canister Pressure:	Actual Pressure: 0 0 Max Pressure: 0
Lease Status: Active	How Determined?: UIC UIC Min Req Press:
Barrel Monitor Hooked Up?:	Static Fluid Level: 0 Max Rate:
Barrel Fluid Level (%):	How Determined?:O
Flowline Hooked Up?: Y_	Injection Rate (bpd): How Rate Determined?
Injecting?: N	injection rate (opu).
Injecting.	
	Comments
ACTIVE WELL, HELD PRESSURE-OK.	
Evaluation: Name:	Date: 16-16-14
Inspection Results:/ For	3 0
Violation Code: Freq	uency: _Ne Received Date: 9/15/2014

# Underground Injection Control Program 1445 Ross Avenue Dallas, TX 75202-2733

Received 29 SEP 09 2014

## Annual Disposal/Injection Well Monitoring Report

6EN-W

Operator: JONES A P O BOX SEDAN I	68	CO	PO	NES AND BUCK DEV BOX 68 DAN KS 67361	CO
	inty: OSAGE	Taumahim 24N	Bango, 05E	Inventory Number: Surface Location:	OS6196000 1005S/1650W
Qtr Section: SW  Well Activity	Section: 05	Township: 24N  Type of Permit	Range: 05E Lease Name	Surface Location.	Well Number
Disposal		Individual	Stith		1-S

	Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
Month/Year	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Jul 2013	Vac		54900		0	
Aug 2013	Vac		56300	4	0	
Sep 2013	Vac	B. C.	68600		0	
Oct 2013	Vac		69400	<u> </u>	0	
Nov 2013	Vac		66100	S. Walter M. Darie	0	
Dec 2013	Vac		45400	.00	0	
Jan 2014	Vac		45200		0	
Feb 2014	Vac		66900	(W)	0	
Mar 2014	Vac		72000		0	
Apr 2014	Vac		66000		0	1
May 2014	Vac		69000		0	
Jun 2014	Vac		66000		0	

#### CERTIFICATION

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Mana	and	Officia	I Title
wame	anu	Ullicia	i illie.

Signature:

Date Signed:

Tim Doty Bookkeeper

No. of Wells: \_\_

5\_. 104

July 30, 2014

Scan Code: 30

# Osage Nation / Environmental Protection Agency

Inspector: J. Andrew Yates	Dt/Tm Inspected: <u>7/24/2013 12:15:00 PM</u> Duration: <u>0.3</u>					
Operator Representative: PUMPER	Dt Scheduled: Dt Op Notified					
General Well	Data and Inspection Information					
Operator: Chaparral Energy	Inventory No.: OS6196 API Well No. 35-113-43555-00-00					
701 Cedar Lake Blvd.	Well Name/No.: Stith 1-S Status:					
	Location: SW 5 24N 5E 1650W - 1005S Well Type: SWD					
Phone: (405) 426-4397	Field Nm:Lat/Lng: 36.582054, 96.79425 G					
ROUT	TINE UIC INSPECTION					
Purpose: Routine Periodic Responsible C	Company at Time of Inspection: Chaparral Energy					
Inspect No.: iJAY1321034459 Notification Type:						
Incident No.: Date Letter Se	ent to Owner: Extension Date:					
Comply No.: Date Remedy						
	Pressures / Conditions					
Date Last MIT: 8/14/2009 Test Result: _	Casing: 7.000 in. Tubing: 4.500 in. USDW: 240 ft subsurf					
Monitoring Device Elected:	Tubing Annulus					
Monitoring Device:	Fittings: Y Y AUTHORIZED					
FLM Canister Pressure:	Actual Pressure: <u>-29</u> <u>0</u> Max Pressure: <u>0</u>					
Lease Status: <u>Active</u>	How Determined?: <u>UIC</u> <u>UIC</u> Min Req Press:					
Barrel Monitor Hooked Up?:	Static Fluid Level: Max Rate:					
Barrel Fluid Level (%):	How Determined?:					
Flowline Hooked Up?: Y	Injection Rate (bpd): How Rate Determined?					
Injecting?: Y						
	Comments					
ACTIVE WELL						
ACTIVE WELL.						
Evaluation: Name:	Date: 8/2/13					
	ollow-up: A Reason: Sec					
Violation Code: None Freque	uency: Received Date: 7/30/2013					



## United States Environmental Protection Agency Underground Injection Control Program 1445 Ross Avenue Dallas, TX 75202-2733

# Annual Disposal / Injection Well Monitoring Report

Operator: CHAPARRAL ENERGY, L.L.C.

Owner:

CHAPARRAL ENERGY, L.L.C.

701 CEDAR LAKE BOULEVARD

701 CEDAR LAKE BOULEVARD

OKLAHOMA CITY, OK 73114

OKLAHOMA CITY, OK 73114

State: OK

County

County: OSAGE

Inventory Number:

OS6196000

Quarter Section: SW

N

Section: 5

Township: 24N

Range: 5E

Surface Location: 1005S/1650W

Well Activity

Type of Permit

<u>Lease Name</u>

Well Number

Brine Disposal/

X Individual

STITH

1-S

Enhanced Oil Recovery

No. of Wells: \_\_\_\_1

Area

		INJECTION II		1 - Marie - Ma			TUBING/CASING ANNULUS PRESSURI OPTIONAL MONITOR	
Mth/Yr	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG		
Jul-12	VAC		39,410					
Aug-12	VAC		39,439					
Sep-12	VAC		40,950					
Oct-12	VAC		54,650					
Nov-12	VAC		73,326					
Dec-12	VAC		73,313					
Jan-13	VAC		46,577					
Feb-13	VAC		34,193					
Mar-13	VAC		58,465					
Apr-13	VAC		52,683					
May-13	VAC		36,190					
Jun-13	VAC		21,458					

#### CERTIFICATION

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Name and Official Title

Signature

**Date Signed** 

**ERWIN PINO** 

REGULATORY ENGINEER

Enum fund.

07/26/2013

## **United States Environmental Protection Agency Underground Injection Control Program** 1445 Ross Avenue Dallas, TX 75202-2733

#### Annual Disposal/Injection Well Monitoring Report

Operator: CHAPARRAL ENERGY, LLC 701 CEDAR LAKE BOULEVARD

**OKLAHOMA CITY OK 73114** 

Section: 05

Owner: CHAPARRAL ENERGY, LLC

701 CEDAR LAKE BOULEVARD **OKLAHOMA CITY OK 73114** 

State: OK

County: OSAGE

Inventory Number: OS6196000

Qtr Section: SW

Township: 24N Range: 05E Surface Location: 1005S/1650W

**Well Activity** 

No. of Wells: 1

Type of Permit

**Lease Name** 

Well Number **1-S** 

Disposal

X Individual

Area

Stith

	Inject Press		Total V Injed			sing Annulus tional Monitor)
Month/Year	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Jul 2011	150		75,908			
Aug 2011	160		81,155			
Sep 2011	180		106,252			
Oct 2011	150		82,827	=		
Nov 2011	170	(IE)	96,906			
Dec 2011	150		82,312			
Jan 2012	100		49,624			
Feb 2012	130		62,043			
Mar 2012	100		47,462			
Apr 2012	110		58,277			
May 2012	120		63,502			
Jun 2012	110		57,134	7.		

#### CERTIFICATION

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Name and Official Title:

Erwin Pino

Regulatory Engineer

**Date Signed:** 

07/23/2012

Scan Code: 30

# Osage Nation / Environmental Protection Agency

Inspector: J. Andrew Yates	Dt/Tm Inspected: <u>9/28/2011 1:15:00 PM</u> Duration: <u>0.3</u>				
Operator Representative: PUMPER	Dt Scheduled: Dt Op Notified				
General Well Da	nta and Inspection Information				
Operator: Chaparral Energy Attn: David	Inventory No.: OS6196 API Well No. 35-113-43555-00-00				
701 Cedar Lake Blvd.	Well Name/No.: Stith 1-S Status:				
OKC, OK 73114	Location: SW 5 24N 5E 1650W - 1005S Well Type: SWD				
Phone: (405) 426-4397	Field Nm:Lat/Lng: 36.582054, 96.79425 G				
ROUTINE UIC INSPECTION					
Purpose: Routine Periodic Responsible Comp	pany at Time of Inspection: Chaparral Energy Attn: David				
Inspect No.: iJAY1127641392 Notification Type					
Incident No.: Date Letter Sent to	o Owner: Extension Date:				
Comply No.: Date Remedy Req	quired: Date Passed:				
Pres	ssures / Conditions				
Date Last MIT: 8/14/2009 Test Result:	Casing: 7.000 in. Tubing: 4.500 in. USDW: 240 ft subsurf				
Monitoring Device Elected:	Tubing Annulus				
Monitoring Device:	Fittings: Y Y AUTHORIZED				
FLM Canister Pressure:	Actual Pressure: <u>-28</u> <u>0</u> Max Pressure: <u>0</u>				
Lease Status: <u>Active</u>	How Determined?: <u>UIC</u> <u>UIC</u> Min Req Press:				
Barrel Monitor Hooked Up?:	Static Fluid Level: Max Rate:				
Barrel Fluid Level (%):	How Determined?:				
Flowline Hooked Up?: Y	Injection Rate (bpd): How Rate Determined?				
Injecting?: Y					
	Comments				
A CTIVE WELL					
ACTIVE WELL.					
Enterior No. Departed Str. Str.					
Evaluation: Name: Follows School Follows	Date: 10/6/11				
Inspection Results: Follows					
Violation Code: No 10 Frequen	ncy: NP Received Date: 10/3/2011				

# Received

United States Environmental Protection Agency Washington, D. C. 20480

JUL 2 9 2011

6EN-W

## Annual Disposal / Injection Well Monitoring Report

Operator: CHAPARRAL ENERGY, L.L.C.

Owner: C

CHAPARRAL ENERGY, L.L.C.

701 CEDAR LAKE BOULEVARD OKLAHOMA CITY, OK 73114

701 CEDAR LAKE BOULEVARD

OKLAHOMA CITY, OK 73114

State: OK

County: OSAGE

Inventory Number:

OS6196

Quarter Section: SW

Section: 5

Township: 24N

Range: 5E

Surface Location:

1005S/1650W

Lease Name

Well Number

Brine Disposal/

Well Activity

Type of Permit

X Individual

STITH

1-S

Enhanced Oil Recovery

No. of Wells: 1

1 Area

					TUBING	CASING
	INJEC	CO SCHOOLSESSES	Annual Service Control of the Control			PRESSURE
	PRESSURE		INJECTED		OPTIONAL MONITOR	
Mth/Yr	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Jul-10	0		115,245			
Aug-10	0		95,200			
Sep-10	0		107,996			
Oct-10	0		92,115			
Nov-10	0		85,487			
Dec-10	0		99,905			
Jan-11	0		86,318			
Feb-11	0		104,072			
Mar-11	0		101,384			
Apr-11	0		72,692			
May-11	0		80,156			
Jun-11	0		90,831			

#### CERTIFICATION

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Name and Official Title

Signature

Date Signed

David P. Spencer, Manager Regulatory Affairs

18-Jul-11



## United States Environmental Protection Agency Washington, D. C. 20480

## Annual Disposal / Injection Well **Monitoring Report**

Operator: CHAPARRAL ENERGY, L.L.C.

Owner:

CHAPARRAL ENERGY, L.L.C.

701 CEDAR LAKE BOULEVARD OKLAHOMA CITY, OK 73114

701 CEDAR LAKE BOULEVARD

OKLAHOMA CITY, OK 73114

State: OK

County: OSAGE

Inventory Number:

OS6196

Quarter Section:

Section: 5

Township: 24N

Range: 5E

Surface Location: 1005S/1650W

SW

Lease Name

Well Number

Brine Disposal/

Well Activity

Type of Permit X Individual

STITH

1-S

Enhanced Oil Recovery

No. of Wells:

Area

	INJEC PRESS		The second secon	N VOLUME CTED	ANNULUS	PRESSURE MONITOR
Mth/Yr	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Jul-09	0		0		2	
Aug-09	0		0			
Sep-09	0		0			
Oct-09	0		119,040			
Nov-09	0		124,676			
Dec-09	0		129,301			
Jan-10	0		157,448			
Feb-10	0		113,980			
Mar-10	0		89,942			
Apr-10	0		76,503		1	
May-10	0		95,063			
Jun-10	0	1 1	92,925			

#### CERTIFICATION

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Name and Official Title

Signature

**Date Signed** 

David P. Spencer, Manager Regulatory Affairs

20-Sep-10

#### United States Environmental Protection Agency Washington, D. C. 20480

## **Annual Disposal / Injection Well Monitoring Report**

CHAPARRAL ENERGY, L.L.C. Operator: CHAPARRAL ENERGY, L.L.C. Owner: 701 CEDAR LAKE BOULEVARD 701 CEDAR LAKE BOULEVARD OKLAHOMA CITY, OK 73114. OKLAHOMA CITY, OK 73114

State: OK County: OSAGE SW

Inventory Number:

OS6196

Quarter Section:

Section: 5

Township: 24N

Surface Location: 1005S/1650W

Range: 5E

**Well Activity** 

Type of Permit

Lease Name

Well Number

Brine Disposal/

X Individual

STITH

1-8

Enhanced Oil Recovery

No. of Wells:

Area

					TUBING	CASING
	INJEC	TION	INJECTION	VOLUME	ANNULUS	PRESSURE
	PRESSURE		INJECTED		OPTIONAL MONITOR	
Mth/Yr	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Jul-09	0		0 .			
Aug-09	0	-	0			
Sep-09	0.		0			-
Oct-09	0		119,040			
Nov-09	0		124,676			
Dec-09	0		129,301			
Jan-10	0	-	157,448			
Feb-10	0		113,980			
Mar-10	0		89,942			
Apr-10	0		76,503			
May-10	0		95,063			
Jun-10	0		92,925			

#### CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my supervision in accordance with a sysytem designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 C.F.R. §122.22).

Name and Official Title

Signature

**Date Signed** 

David P. Spencer, Manager Regulatory Affairs

20-Sep-10

Scan Code: 30

# Osage Nation / Environmental Protection Agency

Inspector: J. Andrew Yates	Dt/Tm Inspected: <u>12/22/2009 2:30:00 PM</u> Duration: <u>0.3</u>			
Operator Representative: NONE.	Dt Scheduled: Dt Op Notified			
General Well Data and Inspection Information				
701 Cedar Lake Blvd. OKC, OK 73114	Inventory No.:       OS6196       API Well No. 35-113-43555-00-00         Well Name/No.:       Stith       1-S 1-S       Status:         Location:       SW 5 24N 5E 1650W - 1005S       Well Type:       SWD         Field Nm:       Lat/Lng:       36.582054, 96.79425       G			
Purpose: Permit Responsible Comp Inspect No.: iJAY0936244664 Notification Type:				
Incident No.: Date Letter Sent to Date Remedy Req	O Owner: Extension Date: uired: Date Passed:			
Pres	sures / Conditions			
Monitoring Device Elected:  Monitoring Device:  FLM Canister Pressure:  Lease Status:  Barrel Monitor Hooked Up?:  Barrel Fluid Level (%):  Flowline Hooked Up?:  Y	Casing: 7.000 in. Tubing: 4.500 in. USDW: 240 ft subsurf  Tubing Annulus  Fittings: Y Y AUTHORIZED  Actual Pressure: -19 0 Max Pressure: 0  How Determined?: UIC UIC Min Req Press:  Static Fluid Level: Max Rate:  How Determined?:  Injection Rate (bpd): How Rate Determined?			
Injecting?: Y	Comments			
Evaluation: Name:	Date: 1/13/10  ow-up: A Reason: Sec  Received Date: 1/12/2010			

Scan Code: 30

## Osage Nation / Environmental Protection Agency

P. O. Box 1495 Pawhuska, OK 74056

		awituska, OK 74050			
nspector: J. Andrew	Yates	Dt/Tm Inspected: <u>8/14/2009 9:30:00 AM</u> Duration: <u>1</u>			
perator Representative	: ALAN HOUGH	Dt Scheduled: Dt Op Notified			
		Data and Inspection Information			
perator: Chaparral En	ergy Attn: David	Inventory No.: OS6196 API Well No. 35-113-43555-00-00			
		Well Name/No.: Stith 1-S 1-S Status:			
OKC, OK 73	3114	Location: SW 5 24N 5E 1650W - 1005S Well Type: SWD			
hone: (405) 426-439	97	Field Nm:Lat/Lng: <u>36.582054</u> , 96.79425 G			
	ROUTIN	IE W/MIT INSPECTION			
ırpose: Permit	Responsible Co	ompany at Time of Inspection: Chaparral Energy Attn: David			
spect No.: iJAY0922	.936176 Notification Ty	vpe:			
cident No.:		nt to Owner: Extension Date:			
omply No.:		Required: Date Passed:			
	http://www.com/				
		ressures / Conditions			
Date Last MIT:		ressures / Conditions  Casing: 7.000 in. Tubing: 4.500 in. USDW:ft subsurf			
Date Last MIT:	8/14/2009 Test Result:				
	8/14/2009 Test Result:	Casing: 7.000 in. Tubing: 4.500 in. USDW:ft subsurf			
Monitoring De	8/14/2009 Test Result:evice Elected:evice:	Casing: 7.000 in. Tubing: 4.500 in. USDW:ft subsurf			
Monitoring De Monitoring De	8/14/2009 Test Result:evice Elected:evice:	Casing: 7.000 in. Tubing: 4.500 in. USDW: ft subsurf           Tubing Annulus           Fittings: Y Y Y AUTHORIZED           Actual Pressure: 0 0 Max Pressure:           How Determined?: UIC UIC Min Req Press:			
Monitoring De Monitoring De FLM Canister Lease Status:	8/14/2009 Test Result:evice Elected:evice:	Casing: 7.000 in. Tubing: 4.500 in. USDW: ft subsurf           Tubing Annulus           Fittings:         Y         Y         AUTHORIZED           Actual Pressure:         0         0         Max Pressure:			
Monitoring De Monitoring De FLM Canister Lease Status:	8/14/2009 Test Result:evice Elected:evice	Casing: 7.000 in. Tubing: 4.500 in. USDW: ft subsurf           Tubing Annulus           Fittings:         Y         Y         AUTHORIZED           Actual Pressure:         0         0         Max Pressure:           How Determined?:         UIC         UIC         Min Req Press:           Static Fluid Level:         319         0         Max Rate:           How Determined?:         E         O			
Monitoring De Monitoring De FLM Canister Lease Status: Barrel Monitor	8/14/2009 Test Result: evice Elected: evice: Pressure: Active r Hooked Up?: evel (%):	Casing: 7.000 in. Tubing: 4.500 in. USDW: ft subsurf           Tubing Annulus           Fittings:         Y         Y         AUTHORIZED           Actual Pressure:         0         0         Max Pressure:           How Determined?:         UIC         UIC         Min Req Press:           Static Fluid Level:         319         0         Max Rate:			
Monitoring De Monitoring De FLM Canister Lease Status: Barrel Monitor Barrel Fluid Le	8/14/2009 Test Result: evice Elected: evice: Pressure: Active r Hooked Up?: evel (%):	Casing: 7.000 in. Tubing: 4.500 in. USDW: ft subsurf           Tubing Annulus           Fittings:         Y         Y         AUTHORIZED           Actual Pressure:         0         0         Max Pressure:           How Determined?:         UIC         UIC         Min Req Press:           Static Fluid Level:         319         0         Max Rate:           How Determined?:         E         O			

Evaluation: Name: Results: 10 Follow-up: D Reason: PRM

Violation Code: Nore Frequency: EM

Received Date: 8/24/2009

Scan Code: 30

# Osage Nation / Environmental Protection Agency

Inspector: J. Andrew Yates	Dt/Tm Inspected: <u>8/4/2009 3:00:00 PM</u> Duration: <u>0.3</u>				
Operator Representative: FRANK BELLAMY					
General Well Data and Inspection Information					
Operator: Chaparral Energy Attn: David	Inventory No.: OS6196 API Well No. 35-113-43555-00-00				
	Well Name/No.: Stith 1-S 1-S Status:				
THE RESERVE THE PROPERTY OF TH	Location: SW 5 24N 5E 1650W - 1005S Well Type: SWD				
Phone: (405) 426-4397	Field Nm:Lat/Lng: <u>36.582054</u> , 96.79425 G				
ROUTINE UIC INSPECTION					
Purpose: Fluid Level Monitoring Responsible Comp	any at Time of Inspection: Chaparral Energy Attn: David				
Inspect No.: <u>iJAY0922332201</u> Notification Type:					
	Owner: Extension Date:				
Comply No.: Date Remedy Requ	uired: Date Passed:				
Press	sures / Conditions				
Date Last MIT: Test Result:	Casing: 7.000 in. Tubing: 4.500 in. USDW:ft subsurf				
Monitoring Device Elected:	Tubing Annulus				
Monitoring Device:	Fittings: Y Y AUTHORIZED				
FLM Canister Pressure:	Actual Pressure: 0 0 Max Pressure:				
Lease Status: <u>Active</u>	How Determined?: <u>UIC</u> <u>UIC</u> Min Req Press:				
Barrel Monitor Hooked Up?:	Static Fluid Level: 87 Max Rate:				
Barrel Fluid Level (%):	How Determined?: E				
Flowline Hooked Up?: N Injecting?: N	Injection Rate (bpd): 0 How Rate Determined? CI				
injecting?.					
	Comments				
NEWLY DRILLED PERMIT WELL, CSG. HI	EAD W/ TBG. NO LINES CONNECTED.				
Λ (					
Evaluation: Name: Furush Thin Date: 8/27/09					
Inspection Results: 10 Follow-up: D Reason: PRM					
Violation Code: Nove Frequen					

# Scan Code: 30

# Osage Nation / Environmental Protection Agency

Inspector: J. Andrew Yates	Dt/Tm Inspected: <u>10/22/2009 1:00:00 PM</u> Duration: <u>0.3</u>				
Operator Representative: NONE.	Dt Scheduled: Dt Op Notified				
General Well Data and Inspection Information					
701 Cedar Lake Blvd.	Inventory No.:         OS6196         API Well No.         35-113-43555-00-00           Well Name/No.:         Stith         1-S 1-S         Status:           Location:         SW 5 24N 5E 1650W - 1005S         Well Type:         SWD           Field Nm:         Lat/Lng:         36.582054, 96.79425         G				
ROUTINE UIC INSPECTION					
Purpose: Permit Responsible Computer No.: iJAY0929941812 Notification Type Incident No.: Date Letter Sent to Date Remedy Recomply No.: Date Remedy Recomply No.:	pany at Time of Inspection: Chaparral Energy Attn: David				
	Casing: <u>7.000</u> in. Tubing: <u>4.500</u> in. USDW: <u>240</u> ft subsurf				
Monitoring Device Elected:  Monitoring Device:  FLM Canister Pressure:  Lease Status:  Barrel Monitor Hooked Up?:  Barrel Fluid Level (%):  Flowline Hooked Up?:  Injecting?:  ACTIVE WELL.	Fittings: Y Y AUTHORIZED  Actual Pressure: -30 0 Max Pressure: 0  How Determined?: UIC UIC Min Req Press:  Static Fluid Level: Max Rate:  How Determined?: Injection Rate (bpd): How Rate Determined?  Comments				
Evaluation: Name: Follows: Follows: Freque	Date: 12 /17/09  ow-up: A Reason: Sec  Received Date: 11/2/2009				

## **Mechanical Integrity Test Results**

SCAN CODE: 28

## Casing or Annulus Pressure Test

# Osage Nation / Environmental Protection Agency

P.O. Box 1495 Pawhuska, OK 74056

Inspector: J. Andrew Yates	Test Date: <u>08/14/2009</u> Test Time: <u>10:00 AM</u>			
Operator Representative: <u>ALAN HOUGH</u>	Date Report Sent to Operator:			
Gener	al Well Data			
Operator: Chaparral Energy Attn: David	Inventory Number: OS6196			
701 Cedar Lake Blvd.	API Well No.: 35-113-43555-00-00			
OKC, OK 73114	Well Name/No.: Stith 1-S			
	Location: SW 5 24N 5E 1005S - 1650W			
Phone: (405) 426-4397	Field name:			
Injection Interval: 3705 - 4848 USDW Bot:				
Annulus Fluid Type: Concentric Pkr:	Packer Depth: <u>3688</u> Casing: <u>7.000</u> in. Tubing: <u>4.500</u> in.			
	lus Pressure Test Results			
Type of MIT: Std. Annulus Pres. Test				
Inj. Status: N Inj. Rate: 0 bpd Tubul	ar Lining: Ceramic Time Since Ann Filled: Hrs			
<u>Tubing</u> <u>Annulu</u>				
<u>Time</u> <u>Pressure</u> <u>Time</u> <u>Pressure</u>	111gii ps.			
Pre-Test: 00	psi   Mid:100 psi6000 ml			
Initial: 10:00 AM 0 200	psi   Low:20psi5000ml			
Mid: 10:15 AM 0 200	psi   End:0psi1000ml			
Final: 10:30 AM 0 200	_psi			
Casing/Tubing Annulus Monitoring	ADA Pressure Test - Required Test Pressure			
Device:	(Fluid Column Ht * Specific Gravity * .433 / N2 Wt Fac = Required Test Pressure)			
Fluid Level: Annulus Prs:psi	Tubing Annulus			
Test Result: Acceptable	Depth to Top Perf/Open Hole: ft ft			
Failure Type:	Depth to Fluid Level: ft ft			
Failure Cause:	Fluid Column Height: ft ft			
Repair Due:	Specific Gravity of Fluid: 1.06 1.06			
Engineer Signature: Rick L. Davis	Nitrogen Weight Factor:			
Review Date: 08/19/2009	Required Test Pressure: psi psi			

Additional Comments for Mechanical Integrity Test

PKR. @ 3688'/ OPEN HOLE COMP. W/ BOTTOM OF 7" CSG. @ 3705'. OPEN HOLE FROM 3705-4848'.

Need Auth to Inject